

INTERNATIONAL SEARCH REPORT

Intern. Application No
PCT/US2004/042382

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01N29/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 01/23892 A (SENSORCHEM INTERNATIONAL CORPORATION; THOMPSON, MICHAEL; HAYWARD, GORD) 5 April 2001 (2001-04-05) the whole document -----	1-30
A	WO 02/095940 A (MICROTECHNOLOGY CENTRE MANAGEMENT LIMITED; KALANAR-ZADEH, KOUROSH; WLO) 28 November 2002 (2002-11-28) the whole document -----	1-30
A	CA 2 369 720 A1 (IOWA STATE UNIVERSITY RESEARCH FOUNDATION) 30 July 2003 (2003-07-30) the whole document ----- -/-	1-30

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

24 June 2005

05.09.05

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2003/170474 A1 (QIAO TIECHENG A ET AL) 11 September 2003 (2003-09-11) the whole document -----	1-30
A	WO 03/068712 A (CNRS; INSTITUT CURIE; NASSOY, PIERRE; POTIER, MARIE-CLAUDE; TALINI, M.) 21 August 2003 (2003-08-21) the whole document -----	1-30
A	WO 00/16903 A (BIOSENSOR APPLICATIONS SWEDEN AB ; GAARDHAGEN, PETER; EDSTAM, KLAS; SA) 30 March 2000 (2000-03-30) the whole document -----	1-30

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

see annex

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
 No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1, 2-5(part), 6-10, 11(part), 12(part) 13, 14(part), 15-30

Acoustic sensors comprising organic compound structures with at least one sulfonylaminocarbonyl unit I,II,III or IV.

2. claims: 1,2-5,11,12,14 (each part)

Acoustic sensors comprising poly(meth)acrates not comprising a sulfonylaminocarbonyl unit I,II,III or IV.

3. claims: 1,2-5,11,12,14 (each part)

Acoustic sensors comprising polymers derived from N-vinylcarbazole.

4. claims: 1,2-5,11,12,14 (each part)

Acoustic sensors comprising VF2 containing fluoropolymers.

5. claims: 1,2-5,11,12,14 (each part)

Acoustic sensors comprising a polyepoxide.

INTERNATIONAL SEARCH REPORT
on patent family members

Intern	Application No
PCT/US2004/042382	

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0123892	A	05-04-2001	AU 7502100 A WO 0123892 A1 CA 2386006 A1 EP 1221049 A1	30-04-2001 05-04-2001 05-04-2001 10-07-2002
WO 02095940	A	28-11-2002	WO 02095940 A1 CN 1528050 A EP 1393441 A1 JP 2004526977 T US 2004133348 A1	28-11-2002 08-09-2004 03-03-2004 02-09-2004 08-07-2004
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US 2003170474	A1	11-09-2003	NONE	
WO 03068712	A	21-08-2003	FR 2835829 A1 AU 2003226885 A1 CA 2475696 A1 EP 1474368 A2 WO 03068712 A2 JP 2005517902 T US 2005100905 A1	15-08-2003 04-09-2003 21-08-2003 10-11-2004 21-08-2003 16-06-2005 12-05-2005
WO 0016903	A	30-03-2000	SE 512994 C2 AU 6491699 A SE 9803238 A WO 0016903 A1	12-06-2000 10-04-2000 25-03-2000 30-03-2000